

SEQUENCE LISTING

<110> Dean, Nicholas M.

Karras, James G

McKay, Robert

Manoharan, Muthiah

<120> ANTISENSE MODULATION OF INTERLEUKIN-5 SIGNAL
TRANSDUCTION

<130> ISPH-

<140> not yet assigned

<141> Herewith

<150> PCT/US00/07318

<151> 2000-03-17

<150> 09/280,799

<151> 1999-03-26

<160> 210

<170> PatentIn Ver. 2.0

<210> 1

<211> 6727

<212> DNA

<213> Mus musculus

<400> 1

tgtacctccc acatctgctg gtgtgtacca ccacacctag taagatattc tcaacattta 60
tgtatttttag cctaaccctg ttggagggtat acatttgaat acatttttttc tcacttttattc 120
aggattgag tttaacacat attaaagcag gtgtgggggca gggagggggg gataaaaaag 180

aaggtgctca	agaaaagccg	atcacgctcc	caagagtgtg	agcatgggcg	tctctagaga	240
gatccgccat	atatgcacaa	cttttaaaga	gaaattcaat	aaccagaatg	gagtgtaaat	300
gtggatcaaa	gttgtagaaa	cattctttta	tgttatagaa	aatgcttttt	aagcaggggt	360
gggggtcaag	atgttaacta	ttattaaaga	gcaaaaaaaaa	aaaaatgcat	tttgtttgaa	420
gacccagggc	actggaaacc	ctgagtttca	ggactcgctt	ttattaggtg	tcctctatct	480
gattgttagc	aattattcat	ttcctcagag	agagaataaa	ttgcttgggg	attcggccct	540
gctctgcgct	cttcctttgc	tgaaggccag	cgctgaagac	ttcagagtca	tgagaaggat	600
gcttctgcac	ttgagtgttc	tgactctcag	ctgtgtctgg	gccactgcca	tggagattcc	660
catgagcaca	gtggtgaaag	agaccttgac	acagctgtcc	gctcaccgag	ctctgttgac	720
aagcaatgag	gtaaagtata	acttattcct	tcagctttgt	ttttaagatc	aggaccttgc	780
tataccgctc	tgactggcct	caaacttgct	atgtagggta	ggctgtccta	acccctacca	840
gatctcctta	cctatgtctc	ccaaatacta	ggattacaga	cacattacct	tgcctgacgc	900
tatggttctt	cagaatgcat	aaatagctgc	atttggcctt	taatcccaga	acttgggagg	960
cagggtcagg	tggatctctg	tgagttcaag	gccagacttg	tctacgtggc	cagttacagg	1020
acagccagag	ctaaagcaag	accctgattc	aaaataattt	tttttcaaaa	caaaaaaaaaa	1080
aaacccaaac	catttgtggc	aattcatttc	taaacataaa	gatctgcttt	aaatagtgca	1140
attatggctt	gttcctctgc	cttcttgctc	ccgttctgtc	ctcttgctcc	actctctccc	1200
cattccaccc	ccaccatgtg	ctcatggccc	gcatctctac	ttctctactc	tctttctctc	1260
cctctccctt	ccttcttctt	ttcctctctt	ctctccctct	tcttctctct	ctctctttct	1320
ctctctctcc	ctctctctct	ctctttctct	ctctctctgc	ttttttctat	ctctactacc	1380
ctctcaactc	ccctctccat	gccctgaata	agctctattc	tataactaaa	aaaaaaaaagt	1440
gcaattatga	atgtgttagt	gttaatgcac	aggtgataac	cctatcacca	gcaagcattg	1500
cattaaaaaa	ggcaacggac	tctctttagg	atgaccctat	gatgttcttt	cctttgcaga	1560
cgatgaggct	tcctgtccct	actcataaaa	atgtaagtta	ttctttactg	ccgtgcttgc	1620
atgagtaagt	cagcttcgca	tactaagcta	taagtcatct	gcatctagct	ttctgggtgt	1680
gtgtgtgtct	gggatgggga	cctctctagg	tctcaagctc	ctgggttcaa	gtgattctct	1740
tgccttgata	gagcagctgg	gacacaggcc	tgtgccacca	cacccagcag	agcttttgat	1800
ttcagttaaa	ctgtttgact	ttcttggaag	agaaaattta	tgtaggtaga	tatgaaagtt	1860
tgtgcttata	aataaaaaga	atatgagagt	ggcaaattat	gtaatcccag	tacttgggag	1920
ccaaaggcag	gggtagtctg	agtctagggc	cagcttagat	acattgccct	gtatgtatca	1980
aaagtaaatc	ctataaataa	ataaacaaaa	acattagagg	gctggagata	taagctctgt	2040
tgatagatgg	cctaatatgc	tgggttgact	cttagcacc	cataaactaa	acatggaagt	2100
acctggctgt	aatctcatga	tggtgaaatg	gaggcgggaa	gatcataggt	tcaaggteat	2160
cctcagctac	atttttgagc	tagaggccag	cctgggctat	gagacacgca	aaaaccacca	2220
gccaattaat	attaggaatg	gctttgagct	agatctgtta	tgtaagtggc	cagctggagc	2280
tgtcagtcac	acatctcaca	gcctcacaag	attctttgca	tggcgagagg	tcctgctggg	2340
ctccctttgg	ctctgtccat	ggctctcttc	atcctagtgc	ctctctttgt	tttcttgtc	2400
ttattttctta	ctgctgagga	tcaagcccag	ggccttcagt	gtgtgaagtg	agcactctac	2460

aggaaaaaca gatgtatgct tttattttaat tctgtaagat gttcatatta tttatgatgg 4800
 attcagtaag ttaatatatta ttacaacgta tataatattc taataaagca gaagggacaa 4860
 ctcaaattca gtttgctatt ggtcttttct aaccctgggt gtgtgcaggg acccagagga 4920
 gagactgagt atgtcctgac taagcacttt cagctcctta gagcttcagg gagcaccaag 4980
 ggtggacttg gtagtggtat cgggagcaag aacaagggct gggactgagc ctggatctcc 5040
 ctatgtagga gtatgtccag atggctcagg gtgaacagga gaggaatgaa tgagaggatg 5100
 aatgaatgaa tgaataaatg aatgaatggg agatcgctcc attaataaag tgcttgctgt 5160
 acaaggatga agagctgagt tcgagctcca aaaccattt cagaaagctg ggcatgggtg 5220
 gggcacactt gtagtcctga cactgggaga cagaaatagc cagatccctg gggctctctg 5280
 ttcagccaac ctaaataaat tggtaggttc tggaccagtg agagatcttc tctcaaaaag 5340
 caaggtggaa gccgagcgtg gtgacacacg cctttaattc cagcacttgg gaggcagagg 5400
 caggcggatt tctgagttcg aggccagcct ggtctacaaa gtgagttcca ggacagccag 5460
 ggctacacag agaaaccctg tctcaaaaaa caaacaaca aacaacaaa caaaccacca 5520
 tgaactacct gtgtatgcat gttgtgtgtg cttgcattgt gcagggtcaaa tgaacacact 5580
 gggactcttc cactaacact ctctacctcg ttccctaaga gggctctcctg ctgaacatgg 5640
 agtttcccat ttcttttggg taggctggca gccagccagc aagtcccagc gatcctcctg 5700
 tctcctcttc ctctgctca gcccagggg tggagtctta ggtatgcgtg gccatgccag 5760
 gctttttcca tgggtgctgg agatccagac gcagcttctc atgttcgcgc agtggcactc 5820
 ttgccactg aagcatcttc catcttgccc actgaagcat ctcccatctt acccactcaa 5880
 gcatcttcca tcttaccac tcaagcatct tccatcttac ccactcaagc atcttccatc 5940
 ttaccactc aagcatcttc cagctcctta gtatgttttt tttttaaaca tgtacttggc 6000
 tttttaaaat tgtaataaac taaaggtata caatatgtat tgattgatat gcttacttat 6060
 gtatttatct ttattttctt atttttttta aaaatttatt ttatttatat gaatacactg 6120
 tagctgactt cagacacacc agaacagggc attggatccc attacggatg gttgtgagcc 6180
 accatgtggg tgctgggaat tgaactcagg acctttggaa gaacagtctc tctggctctg 6240
 tagttatctt tcagtatact tttccttgaa aattttatat gtctgtgcga tctattctgg 6300
 tcctaccatt cactctcact ctctctggac ttcccagtat ggccccctcc cgatttcaaa 6360
 tcttctcact cttatttttt agcccactga gttcagttag tgttgtccct atgagcacgt 6420
 gtggaccatc tacttgagct taggcaacct accagtggcc acatccctac aggaaaggta 6480
 ctcttctct ctgggtggcc ataaaccccc aacgggtcct cacatagggc aggagcctta 6540
 ggagtttccc tccccattca tactaaactt tgggttggtt gatgggtgtga agataaccac 6600
 agctgctgtg aggtcctgag tacaagggcc aagtcacgtc caggaggcag catctcacag 6660
 tacttaccac cagtctctgg ctgaacatc cttcccacca tcccccttca tcatgttctt 6720
 taagctt 6727

<210> 2
 <211> 20
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 2

cccaagcaat ttattctctc

20

<210> 3

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 3

aagagcgcag

20

<210> 4

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 4

cactgtgctc atgggaatct

20

<210> 5

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 5

actttacctc attgcttgtc

20

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 6

tcagagcggc atagcaaggt

20

<210> 7

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 7

ctcatcgtct gcaaaggaaa

20

<210> 8

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 8

tatgagtagg gacaggaagc

20

<210> 9

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 9

atttttatga gtagggacag

20

<210> 10

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 10

acaaggaaaa taaagaataa

20

<210> 11

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 11

acaaggaaaa caaagagagg

20

<210> 12

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 12

ctggtgctga aagaagatta

20

<210> 13

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 13

ccacggacag tttgatacctt

20

<210> 14

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 14

aatgacaggt tttggaatag

20

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 15

gcggtcaatg tatttcttta

20

<210> 16

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 16

ggaacttact ttttggcggg

20

<210> 17
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 17
cagactgtca ggttggctcc 20

<210> 18
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 18
tcctcgccac acttctcctg 20

<210> 19
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 19
aactgcctcg tcctccgtct 20

<210> 20
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 20

tactcatcac accaaggaac

20

<210> 21

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 21

ctcagcctca gccttccatt

20

<210> 22

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 22

ttaaattgtg aagtcctgtc

20

<210> 23

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 23

aaatataaat ggaaacagca

20

<210> 24

<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 24
ctacaggaca taaatataaa 20

<210> 25
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 25
tatacaaaaa ggtaaacac 20
<210> 26
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 26
ggttatcctt ggctacatta 20

<210> 27
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 27

aactgcctcc tcctccgtct

20

<210> 28

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 28

aactgccacc tgctccgtct

20

<210> 29

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 29

aactggcacc tgcaccgtct

20

<210> 30

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 30

ggttatccta ggctacatta

20

<210> 31

<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 31
ggttatcgta gcctacatta 20

<210> 32
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 32
ggttaacgta gccaacatta 20

<210> 33
<211> 29
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 33
agtgttctga ctctcagctg tgtctgggc 29
<210> 34
<211> 24
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 34

ttcagagtca tgagaaggat gctt

24

<210> 35

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 35

accactgtgc tcatgggaat ct

22

<210> 36

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 36

aaggccgaga atgggaagct tgtcatc

27

<210> 37

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 37

ggcaaattca acggcacagt

20

<210> 38

<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 38
gggtctcgct cctggaagat 20

<210> 39
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 39
ctttggcaaa gaaagtgcatt 20

<210> 40
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 40
cgttctgcgt ttgcctttgg 20

<210> 41
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 41

tcctcatggc tctgaaacgt

20

<210> 42

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 42

aagaaaatta cctcattggc

20

<210> 43

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 43

ttacagcaca ccagcattca

20

<210> 44

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 44

tcctcagagt ctggagagga

20

<210> 45
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 45
ggaacaggaa tcctcagagt

20

<210> 46
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 46
tttaacttac atttttatgt

20

<210> 47
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 47
tttacttatt catgccatca

20

<210> 48
<211> 20
<212> DNA
<213> Artificial Sequence
<220>

<223> Description of Artificial Sequence:Synthetic

<400> 48

gacacgatgc tctttgggaa

20

<210> 49

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 49

cattttaata tgaccaggca

20

<210> 50

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 50

ttctaggcaa caaaccacca

20

<210> 51

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 51

acagttggtg ctaaagagg

20

<210> 52
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 52
ttcttcagtg cacagttggt

20

<210> 53
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 53
acccccttgc acagtttgac

20

<210> 54
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 54
tggccgtcaa tgtatttctt

20

<210> 55
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 55

tgtaacttac tttttggccg

20

<210> 56

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 56

tccatagaaa taggcacagc

20

<210> 57

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 57

cacacttttt ctgtgaaaaa

20

<210> 58

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 58

attggtttac tctccgtctt

20

<210> 59

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 59

ttatccactc ggtgttcatt

20

<210> 60

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 60

tccttctcct ccaaaatctt

20

<210> 61

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 61

tggccctcat tctcactgca

20

<210> 62

<211> 20

<212> DNA

<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 62
tctggcaaag tgtcagtatg

20

<210> 63
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 63
ttgcctggag gaaaatactt

20

<210> 64
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 64
ctttggcaaa gaaagtgcac

20

<210> 65
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 65

cgttctgcgt ttgcctttgg

20

<210> 66

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 66

aagaaaatta cctcattggc

20

<210> 67

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 67

tcctcagagt ctggagagga

20

<210> 68

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 68

tttaacttac atttttatgt

20

<210> 69

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 69

acagttggtg ctaaagagg

20

<210> 70

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 70

tgtaacttac tttttggccg

20

<210> 71

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 71

cacacttttt ctgtgaaaaa

20

<210> 72

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 72

tctggcaaac tgtcagtatg

20

<210> 73

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 73

tctggcatac tctcagtatg

20

<210> 74

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 74

tctgggatac tctgagtatg

20

<210> 75

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 75

ttgcctggac gaaaataactt

20

<210> 76

<211> 20

<212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence:Synthetic

<400> 76
 ttgcctgcac gtaaatactt 20

<210> 77
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence:Synthetic

<400> 77
 ttgccagcac gtatatactt 20

<210> 78
 <211> 3230
 <212> DNA
 <213> Homo sapiens

<400> 78
 atcctaataca agaccccagt gaacagaact cgaccctgcc aaggcttggc atttccattht 60
 caatcactgt cttcccacca gtattttcaa tttcttttaa gacagattaa tctagccaca 120
 gtcatagtag aacatagccg atcttgaaaa aaaacattcc caatattht gtatttttagc 180
 ataaaattct gtttagtggt ctaccttata ctttggtttg cacacatctt ttaagaggaa 240
 gttaattttc tgatttttaag aaatgcaa atgtggggcaat gatgtattaa cccaaagatt 300
 ctttccgtaa tagaaaatgt ttttaaagg gggaaacagg gatttttatt attaaaagat 360
 aaaagtaa atttttttta agatataagg cattggaaac atttagtttc acgatatgcc 420
 attattaggc attctctatc tgattgttag aaattattca tttcctcaaa gacagacaat 480
 aaattgactg gggacgcagt cttgtactat gcactttctt tgccaaaggc aaacgcagaa 540
 cgtttcagag ccatgaggat gcttctgcat ttgagtttgc tagctcttgg agctgcctac 600
 gtgtatgcc tccccacaga aattcccaca agtgcattgg tgaaagagac cttggcactg 660
 ctttctactc atcgaactct gctgatagcc aatgaggtaa ttttctttat gattcctaca 720

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)	(47)	(48)	(49)	(50)	(51)	(52)	(53)	(54)	(55)	(56)	(57)	(58)	(59)	(60)	(61)	(62)	(63)	(64)	(65)	(66)	(67)	(68)	(69)	(70)	(71)	(72)	(73)	(74)	(75)	(76)	(77)	(78)	(79)	(80)	(81)	(82)	(83)	(84)	(85)	(86)	(87)	(88)	(89)	(90)	(91)	(92)	(93)	(94)	(95)	(96)	(97)	(98)	(99)	(100)
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------

aggaagccag aaaccctctc tgccaaggcc tgcaggggtt cttaccacct gaccctgcac 3060
 cataacaaaa ggacagagag acatggtagg gcagtcccat tagaaagact gagttccgta 3120
 ttcccggggc agggcagcac caggccgcac aacatccatt ctgcctgctt atggctatca 3180
 gtagcatcac tagagattct tctgtttgag aaaacttctc tcaaggatcc 3230

<210> 79

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 79

gacctgtcca gtgagcttct 20

<210> 80

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 80

tagccgaata ctggaaaggt 20

<210> 81

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 81

aacacaggca ccatggtagc 20

<210> 82
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 82
ctcttggtca ggatttgggt 20

<210> 83
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 83
tcctcacgct agctgcaaag 20

<210> 84
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 84
atggccttaa gtgggtgtgg 20

<210> 85
<211> 20
<212> DNA
<213> Artificial Sequence
<220>

<223> Description of Artificial Sequence:Synthetic

<400> 85

gagccattaa tgtgcacagc

20

<210> 86

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 86

tccactcgcc ccaccttcct

20

<210> 87

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 87

aacaagacga agcaggcagc

20

<210> 88

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 88

ccggaaccgg tggaaacaac

20

<210> 89
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 89
ccaacctctt ccacacaatg 20

<210> 90
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 90
tcccatgact tcaaattccaa 20

<210> 91
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 91
gcaaaatgcc atcaaaacgt 20

<210> 92
<211> 20
<212> DNA
<213> Artificial Sequence
<220>

<223> Description of Artificial Sequence:Synthetic

<400> 92

cgagctctac caccgcctgg

20

<210> 93

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 93

caagctggcc tcgaactcag

20

<210> 94

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 94

ggatggggttg gtgacttgca

20

<210> 95

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 95

tgaggaaacc aaaggcccat

20

<210> 96
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 96
tgtctccac ttgcgtcagg 20

<210> 97
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 97
ttgaacaggc ctatggaaca 20

<210> 98
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 98
tctttttcac cccaggcacg 20

<210> 99
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 99

aattcccatg gatcctcttg

20

<210> 100

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 100

atccagcaat cacctccaaa

20

<210> 101

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 101

tgttcagccc atcaaaaaga

20

<210> 102

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 102

atttggctga caggaccccg

20

<210> 103

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 103

tccagagact gccccacca

20

<210> 104

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 104

catctgcttc tgtattgcca

20

<210> 105

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 105

ccttttagct ccttgggtac

20

<210> 106

<211> 20

<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 106
catttctgag ggttgctggg 20

<210> 107
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 107
catctgattg tgtcttgcca 20

<210> 108
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 108
catctgcttg tgtattgcca 20

<210> 109
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 109

cacctgattg tgtcttgtca

20

<210> 110

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 110

tgtccctcct tttggtggg

20

<210> 111

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 111

ttagctctgt ctctgctgat

20

<210> 112

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 112

aactgctggc cagagttgta

20

<210> 113

<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 113
catagttaaa gcaatgatct 20

<210> 114
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 114
gtttctcata ttcagtaacc 20

<210> 115
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 115
ggagtcctgt atgagttcat 20

<210> 116
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 116

tctgtgcatc ccaggtgctg

20

<210> 117

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 117

ctggctgtcc tggaactcac

20

<210> 118

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 118

ttcaaggtaa gtcaagcaac

20

<210> 119

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 119

ctgatggcta ccactggcaa

20

<210> 120
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 120
cactctcaat gagttctatc 20

<210> 121
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 121
tgatgctggg tgatcaatct 20

<210> 122
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 122
tcaataggga atggtgtctt 20

<210> 123
<211> 20
<212> DNA
<213> Artificial Sequence
<220>

<223> Description of Artificial Sequence:Synthetic

<400> 123

ttccagagta cctagaagcc

20

<210> 124

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 124

ccaacagggtt gccatgaagg

20

<210> 125

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 125

agagattaga attgactaag

20

<210> 126

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 126

actattgcat atactagcaa

20

<210> 127
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 127
ccatccaata tacaaccacc 20

<210> 128
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 128
ctcatggaag gagttacaga 20

<210> 129
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 129
tgtggatact tcactgcttc 20

<210> 130
<211> 20
<212> DNA
<213> Artificial Sequence
<220>

<223> Description of Artificial Sequence:Synthetic

<400> 130

atccaataga tgactgtgag

20

<210> 131

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 131

gttcatattg ttgttcctgc

20

<210> 132

<211> 3571

<212> DNA

<213> Mus musculus

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 132

gaaataattg gtaaacacag aaaatgtttc aatagaaaaa agaggaaaca gaacactgtg 60
tagccctggt atcagcagag acagagctaa cgctggggat accaaactag aagaagctca 120
ctggacaggt cccggtatgc agttctatct ttgttgatgg ctctgtatct aatgtgttca 180
tttgtaccaa ggatctaacc agggctctcc agagtctgag caagcttctc ccactgagct 240
acatcacagc cccctgttta ttggaagaag aaatacttac acctttccag tattcggcta 300
ccatggtgcc tgtgttacta attcttgtgg gagctttggc aacactgcaa gctgacttac 360
ttaatcacia aaagttttta cttctaccac ctgtcaattt taccattaaa gccactggat 420
tagctcaagt tcttttacac tgggacccaa atcctgacca agagcaaagg catgttgatc 480
tagagtatca cgtgaaaata aatgccccac aagaagacga atatgatacc agaaagactg 540
aaagcaaatt tgtgaccccc cttcatgaag gctttgcagc tagcgtgagg accattctga 600
agagcagcca tacaactctg gccagcagtt gggtttctgc tgaactcaaa gctccaccag 660
gatctcctgg aacctcgggt acgaatttaa cttgtaccac acacactggt gtaagtagcc 720

acatagaagc aaacacactt atgtggtggg aagaggaata agtagtgata gagggaccta 3060
 gtggtagtta ttttacatag tcctgaagag ctaaagacaa tgaaagaaga aatggtactc 3120
 acaagagaga gagctatgtc ggggtcctgt cagccaaatc ttgctagtat atgcaatagt 3180
 gtctggggtt ggtgggttgta tattggatgg ttccctgggt ggggcagtct ctggatggtc 3240
 tttccttcca tcacagctct gaaatttgtc tctgtaactc cttccatgag tattttgttc 3300
 cccattctaa gaagcagtga agtatccaca ctttgggtctt ctttcttctt gagtttcatg 3360
 tgttttgcaa attgtgtgcc tggcaataca gaagcagatg ctcacagtca tctattggat 3420
 gaaacacagg gccctaatag aaggagccag agaaagtacc caaggagcta aaagggctctg 3480
 caaccctata gcaggaacaa caatatgaac taccagcaa ccctcagaaa tgtaaataaa 3540
 gaaaatatct aataaaaaaa aaaaaaaaaa a 3571

<210> 133

<211> 965

<212> DNA

<213> Mus musculus

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 133

gccttggaga ctgtcactgt cagggtgat gacggatgag ctgggtcagg ctagatagac 60
 cctagcaatt tattagagcc agactcctag gcaattctct ctctacatgt tcacttaagg 120
 gttcagagct tcataacaaa gcagaagtca ggagtctcag aaatgcactt caaaatcagg 180
 gtggaggaac ctgcccattgt gtcaggccct gtgacctatc aactcacaag ctttctgttg 240
 ggatattgac caaacacagt atctttgctt atatgcaagc acacacttgc gtgcaacaca 300
 cacacacaca cacacacaca cacacacaca cacacacaca cacacaccag gctaaagctc 360
 gcagagttct cagattgtgg tatatgaagg agcaagcctt tgtcagtga cagtatgatc 420
 actaagactc tagtgtgggc cctctctaata gggttgctct cttgggaatc ttcttccaaa 480
 gagcagttgt gtggtctttc cattgtaaga gaaactgcag gtgtcttctt aaccatgaca 540
 gttctgatga tgaaagtgt aagaacccgc cttaaagtca aacaccagtg caccagaaa 600
 gtagatgcac agctgcaggc tcagagctcg gcagccactg tacttcttag taaccaggaa 660
 tcaaacgttt gactcactgt ggggttggtg gggcagataa ataccttttt ctatgactag 720
 gctggagaca cgcccaggac cccacacaaa aggagggaca ggaaaagaga aataattggg 780
 aaacacagaa aatgtttcaa tagaaaaaag aggaaacaga aactgtgtg gccctgttat 840
 cagcagagac agagctaacg ctggggatag caaactagaa gaagctcact ggacagggtc 900
 cggtatgcag ttctattttt gttgatggct ctgtatctaa tgtgttcatt tgtaccaagg 960
 tgagt 965

<210> 134
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 134
caaggacttc ctttcctttc 20

<210> 135
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 135
gccattctac caaggacttc 20

<210> 136
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 136
acaatgagat gccattctac 20

<210> 137
<211> 20
<212> DNA
<213> Artificial Sequence
<220>

<223> Description of Artificial Sequence:Synthetic

<400> 137

tggtgggagc acaatgagat

20

<210> 138

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 138

agcaggcagc tggtgggagc

20

<210> 139

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 139

tgagaagatt aacaagacga

20

<210> 140

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 140

tcgagatgag tgagaagatt

20

<210> 141

<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 141
actctgcaga tgagtgagaa 20

<210> 142
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 142
gacttccttt cctttcctgg 20

<210> 143
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 143
aacaagacga agcaggcagc 20

<210> 144
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 144

ctacactctg cagatgagtg

20

<210> 145

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 145

cgatcagttt ttccttctaa

20

<210> 146

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 146

tcacccacat aaatagggtg

20

<210> 147

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 147

ggtccataaa tgacacctga

20

<210> 148
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 148
ttacctcata ttcagtaacc 20

<210> 149
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 149
gccattctat caaggacttc 20

<210> 150
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 150
gccatgctat caagcacttc 20

<210> 151
<211> 20
<212> DNA
<213> Artificial Sequence
<220>

<223> Description of Artificial Sequence:Synthetic

<400> 151

gctatcctat caagcacgtc

20

<210> 152

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 152

gacttcctta cctttcctgg

20

<210> 153

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 153

gacttcctct tcttcctgg

20

<210> 154

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 154

gacctctttc cctcttctgg

20

<210> 155
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 155
gttttttcctt ctgaatgtga 20

<210> 156
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 156
cttttcctttc ccacataaat 20

<210> 157
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 157
taaatgacac actctgcaga 20

<210> 158
<211> 20
<212> DNA
<213> Artificial Sequence
<220>

<223> Description of Artificial Sequence:Synthetic

<400> 158

taaatgacac ccacataaat

20

<210> 159

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 159

tcgaagggtt ccacataaat

20

<210> 160

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 160

aaccactctc tcaagggctt

20

<210> 161

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 161

tgctggaatt ggtggaaca

20

<210> 162
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 162
gtctcaactc caggcttctc 20

<210> 163
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 163
tcaaaacaca gaatcctcca 20

<210> 164
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 164
aggatgccaa agtgacagtc 20

<210> 165
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 165

atccctgttc ttttcactga

20

<210> 166

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 166

cgcaggtaaa ttgagtgttg

20

<210> 167

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 167

tgaggcgatt tggatgaagc

20

<210> 168

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 168

tggaacgttag ccttaaaagc

20

<210> 169

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 169

agcttaaaca gccaaacggg

20

<210> 170

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 170

ctccaggctg atgcaaaatg

20

<210> 171

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 171

gggtgaggaa tttgtggctc

20

<210> 172

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 172

tggatcagg cctctggagc

20

<210> 173

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 173

gggtgaggat tttgtggctc

20

<210> 174

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 174

gggtgatgat ttggtggctc

20

<210> 175

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

20

<213> Homo sapiens

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	15.2	5.8	10	25
Health status	1.2	0.8	0	3
Stress level	2.1	1.1	1	4
Life satisfaction	3.5	1.2	2	5
Work engagement	4.2	1.0	3	5
Organizational commitment	4.5	1.1	3	5
Job satisfaction	4.1	1.0	3	5
Turnover intention	1.8	0.9	1	3
Organizational citizenship behavior	3.8	1.2	2	5
Employee well-being	3.2	1.1	2	5
Work-life balance	3.0	1.0	2	4
Perceived organizational support	4.0	1.1	3	5
Psychological safety	3.5	1.0	2	4
Trust in supervisor	3.8	1.1	2	4
Team cohesion	3.6	1.0	2	4
Communication	3.4	0.9	2	4
Conflict resolution	3.2	0.8	2	4
Leadership	3.1	0.7	2	4
Organizational culture	3.0	0.6	2	4
Employee engagement	3.9	1.0	2	4
Job design	3.3	0.9	2	4
Work environment	3.1	0.8	2	4
Organizational climate	3.0	0.7	2	4
Employee morale	3.2	0.9	2	4
Workload	3.5	1.0	2	4
Time pressure	3.3	0.9	2	4
Resource availability	3.1	0.8	2	4
Support from colleagues	3.4	0.9	2	4
Supervisor support	3.6	1.0	2	4
Organizational resources	3.2	0.8	2	4
Employee autonomy	3.5	0.9	2	4
Job security	3.3	0.8	2	4
Organizational stability	3.1	0.7	2	4
Employee loyalty	3.4	0.9	2	4
Organizational reputation	3.2	0.8	2	4
Employee identification	3.5	0.9	2	4
Organizational identity	3.3	0.8	2	4
Employee commitment	3.6	1.0	2	4
Organizational commitment	3.4	0.9	2	4
Employee engagement	3.7	1.0	2	4
Organizational engagement	3.5	0.9	2	4
Employee satisfaction	3.8	1.0	2	4
Organizational satisfaction	3.6	0.9	2	4
Employee turnover	3.1	0.8	2	4
Organizational turnover	3.0	0.7	2	4
Employee retention	3.3	0.9	2	4
Organizational retention	3.2	0.8	2	4
Employee loyalty	3.4	0.9	2	4
Organizational loyalty	3.3	0.8	2	4
Employee commitment	3.5	0.9	2	4
Organizational commitment	3.4	0.8	2	4
Employee engagement	3.6	1.0	2	4
Organizational engagement	3.5	0.9	2	4
Employee satisfaction	3.7	1.0	2	4
Organizational satisfaction	3.6	0.9	2	4
Employee turnover	3.1	0.8	2	4
Organizational turnover	3.0	0.7	2	4
Employee retention	3.3	0.9	2	4
Organizational retention	3.2	0.8	2	4
Employee loyalty	3.4	0.9	2	4
Organizational loyalty	3.3	0.8	2	4
Employee commitment	3.5	0.9	2	4
Organizational commitment	3.4	0.8	2	4
Employee engagement	3.6	1.0	2	4
Organizational engagement	3.5	0.9	2	4
Employee satisfaction	3.7	1.0	2	4
Organizational satisfaction	3.6	0.9	2	4
Employee turnover	3.1	0.8	2	4
Organizational turnover	3.0	0.7	2	4
Employee retention	3.3	0.9	2	4
Organizational retention	3.2	0.8	2	4
Employee loyalty	3.4	0.9	2	4
Organizational loyalty	3.3	0.8	2	4
Employee commitment	3.5	0.9	2	4
Organizational commitment	3.4	0.8	2	4
Employee engagement	3.6	1.0	2	4
Organizational engagement	3.5	0.9	2	4
Employee satisfaction	3.7	1.0	2	4
Organizational satisfaction	3.6	0.9	2	4
Employee turnover	3.1	0.8	2	4
Organizational turnover	3.0	0.7	2	4

cttctggctg tgcccgtttg gctgtttaag ctgccaatg tagcactcag ctaccatctg 1740
 aggaagaaag cattttgcat cagcctggag tgaatcatga acttggattc aagactgtct 1800
 tttctatagc aagtgagagc cacaaattcc tcacccccct acattctaga atgatctttt 1860
 tctaggtaga ttgtgtatgt gtgtgtatga gagagagaga gagagagaga gagagagaga 1920
 gagaaattat ctcaagctcc agaggcctga tccaggatac atcatttgaa accaactaat 1980
 ttaaaagcat aatagagcta atatat 2006

<210> 177

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 177

cctgagaaat gcggtggcca

20

<210> 178

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 178

gtgtctatgc tcgtggctgc

20

<210> 179

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 179

cgatcctctt gttccgacca

20

<210> 180

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 180

atgcgccacg atgatcatat

20

<210> 181

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 181

gcagtatctc agtggccccc

20

<210> 182

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 182

tgctcttgat caggatttgg

20

<210> 183

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 183

caggatggtc cgcacacttg

20

<210> 184

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 184

gggcatgaag ttcagcagaa

20

<210> 185

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 185

gccaggtgca gtgaaggga

20

<210> 186

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 186

ctccccagtg tgtctttgct

20

<210> 187

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 187

aagccagtca cgccctttgc

20

<210> 188

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 188

aaacagctga tcaaagggcc

20

<210> 189

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 189

atggattgga aaagcagaca

20

<210> 190

<211> 20

<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 190
tctgcacatg gagctcactg 20

<210> 191
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 191
aggttggctc cactcactcc 20

<210> 192
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 192
tctgcacatg tagctcactg 20

<210> 193
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 193

tctgcacgtg taactcactg

20

<210> 194

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 194

tatgcacgtg taactccctg

20

<210> 195

<211> 1998

<212> DNA

<213> Homo sapiens

<400> 195

ccgctgcttc tcatcgcatt gccaccgcat ttctcaggcc aggacattg agcattggtc 60
ctgtgcctga cgctatgcta gatgctgggg ttgcagccac gagcatagac acgacagaca 120
cggtcctcgc catcttctgt tgagtactgg tcggaacaag aggatcgtct gtagacaggc 180
tacagattgt tttagattga agtttctct catgttcact catctttaaa tcctcatagt 240
aaaaaggata tgatcatcgt ggcgcattgta ttactcatcc ttttgggggc cactgagata 300
ctgcaagctg acttacttcc tgatgaaaag atttcacttc tcccacctgt caatttcacc 360
attaaagtta ctggtttggc tcaagttctt ttacaatgga aaccaaattc tgatcaagag 420
caaaggaatg ttaatctaga atatcaagtg aaaataaacg ctccaaaaga agatgactat 480
gaaaccagaa tcactgaaag caaatgtgta accatcctcc acaaaggctt ttcagcaagt 540
gtgcggacca tcctgcagaa cgaccactca ctactggcca gcagctgggc ttctgctgaa 600
cttcatgccc caccagggtc tcctggaacc tcaattgtga atttaacttg caccacaaac 660
actacagaag acaattattc acgtttaagg tcataccaag tttcccttca ctgcacctgg 720
cttggttgga cagatgcccc tgaggacacg cagtattttc tctactatag gtagggctct 780
tggaactgaag aatgccaaga atacagcaaa gacacactgg ggagaaatat cgcattgctg 840
tttcccagga cttttatcct cagcaaaggg cgtgactggc tttcgggtgt tggttaacggc 900
tccagcaagc actctgctat caggcccttt gatcagctgt ttgcccttca cgccattgat 960

caaataaatc ctccactgaa tgtcacagca gagattgaag gaactcgtct ctctatccaa 1020
 tgggagaaac cagtgtctgc ttttccaatc cattgctttg attatgaagt aaaaatacac 1080
 aatacaagga atggatattt gcagatagaa aaattgatga ccaatgcatt catctcaata 1140
 attgatgac tttctaagta cgatgttcaa gtgagagcag cagtgaagctc catgtgcaga 1200
 gaggcagggc tctggagtga gtggagccaa cctatztatg tgggaaatga tgaacacaag 1260
 cccttgagag agtggtttgt cattgtgatt atggcaacca tctgcttcat cttgttaatt 1320
 ctctcgctta tctgtaaaat atgtcattta tggatcaagt tgtttccacc aattccagca 1380
 ccaaaaagta atatcaaaga tctctttgta accactaact atgagaaagc tgggtccagt 1440
 gagacggaaa ttgaagtcac ctgttatata gagaagcctg gagttgagac cctggaggat 1500
 tctgtgtttt gactgtcact ttggcatcct ctgatgaact cacacatgcc tcagtgcctc 1560
 agtgaaaaga acagggatgc tggctcttgg ctaagagggtg ttcagaattt aggcaacact 1620
 caatttacct gcgaagcaat acaccagac acaccagtct tgtatctctt aaaagtatgg 1680
 atgcttcac ccaatcgctt cacctacagc aggggaagttg actcatccaa gcattttgcc 1740
 atgttttttc tcccatgcc gtacagggtg gcacctctc acctgccaat ctttgcaatt 1800
 tgcttgactc acctcagact ttcattcaca acagacagct ttaaggcta acgtccagct 1860
 gtatttactt ctggctgtgc cgtttggctg ttaagctgc caattgtagc actcagctac 1920
 catctgagga agaaagcatt ttgcatcagc ctggagtga ccatgaactt ggattcaaga 1980
 ctgtcttttc tatagcaa 1998

<210> 196

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 196

accagcttt ctgcaaaaca

20

<210> 197

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 197

tcaacattac ctcatagtta

20

<210> 198

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 198

taaatgacat ctgaaaacag

20

<210> 199

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 199

gaacacttac attttacaga

20

<210> 200

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 200

tcatcatttc ctggtggaaa

20

<210> 201

<211> 20

<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 201
tcatcattta ctggtggaaa 20

<210> 202
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 202
tcagcattta ctggtgtaaa 20

<210> 203
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 203
tcagcagtta cttgtgtaaa 20

<210> 204
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 204

agcggcagag cattgagaac

20

<210> 205

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 205

agcggcagag cattgagaac

20

<210> 206

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 206

gaagcagcgg cagagcattg

20

<210> 207

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 207

gaagcagcgg cagagcattg

20

<210> 208

<211> 612
<212> DNA
<213> Homo sapiens

<400> 208
ggtaccagac ctgctcacia agcagagaag agctaaggcg gttctctaag ggcagagaat 60
tgctgctatt gcctagtgag tggggagagg gtactcctca ggccttactt cctatcaaatt 120
catgtgtcag tgttgccctag gagacagagg cacagtaact actgtagcca aacaaggcac 180
ataaacaiaaa cagaaatgca acgctttaga gtacccacgg aaaacttggt taccttgtca 240
ccatgagtaa aagttaattc ccactcctga agagagcaaa ccaactctga aagagagtga 300
aatgcagac aagacagtta tcagataatg gctatctgga cgagagattc tttcgtttga 360
cagcagtttg gttggtggga gttccagttc agtcctgca cagttgctct gtacaaatcc 420
tcctccatat ttgcttagag aaaacgtggt gccatcccat catgaaggaa gctgcctgag 480
agtttttaac cattacagcc gtgatgatga aagagtgaag aaccgcctct aagttaaaaa 540
gtgcacccag agataagggt cgttctcaat gctctgccgc tgcttctcat cgcattggcca 600
ccgcatttct ca 612

<210> 209
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 209
tctaccaagg acttc 15

<210> 210
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:Synthetic

<400> 210

tcaacctaga acttc

15

400 210 tcaacctaga acttc